

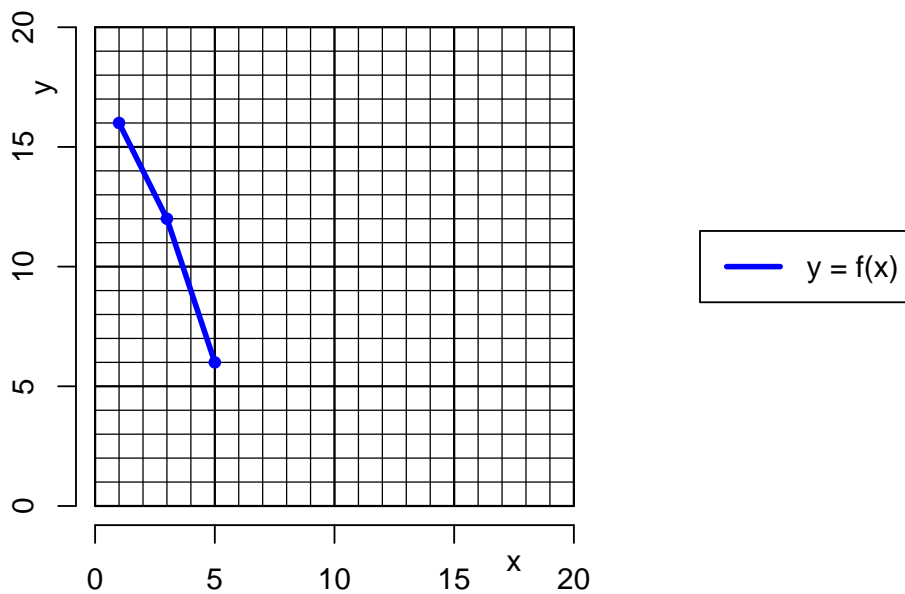
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 40)

### Question 1

Curve  $y = f(x)$  contains points  $(1, 16)$  and  $(3, 12)$  and  $(5, 6)$ , as shown on the  $x$ - $y$  plane below.

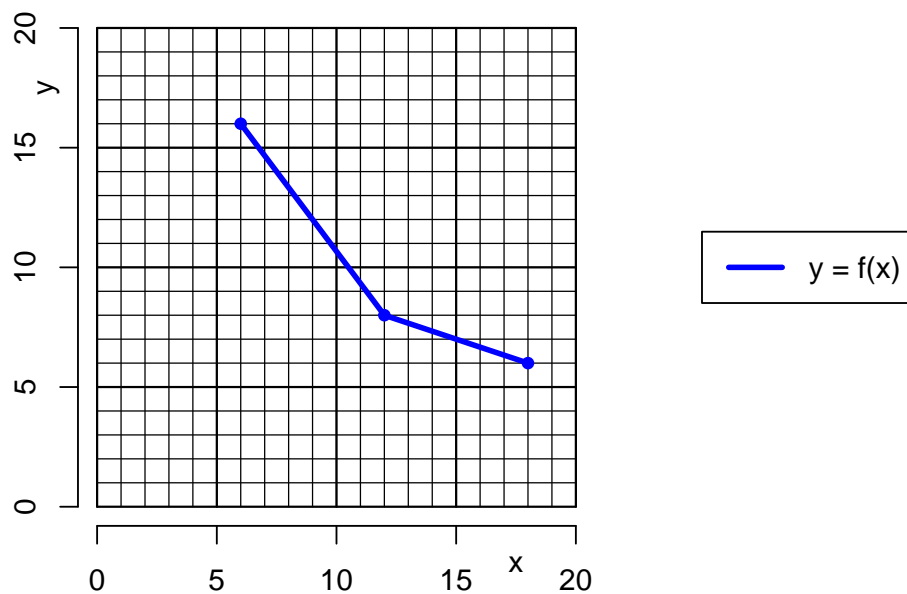


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x}{3} - 1\right] - 4}{2}$$

## Question 2

Curve  $y = f(x)$  contains points  $(6, 16)$  and  $(12, 8)$  and  $(18, 6)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3x + 3] - 6}{2}$$